

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please amend Claims 1-6, cancel Claims 8 and 9 and add claims 10-16 as follows:

Listing of Claims:

Claim 1. (currently amended) A high-pressure gas discharge lamp~~-(1)~~ comprising:

a quartz glass lamp vessel~~-(2)~~ which is closed in a gastight manner, with a space~~-(4)~~ which is enclosed by a wall~~-(3)~~ and in which a pair of electrodes~~-(5)~~ is arranged;

an outer surface~~-(15)~~ of said wall~~-(3)~~ extending between the pair of electrodes~~-(5)~~; and

a filling provided in the space~~-(4)~~ and comprising a rare gas, a mercury buffer gas and halides of tin and indium,

wherein ~~characterized in that~~ the wall~~-(3)~~ has a wall load of at least 30 W/cm² at its outer surface, and in that the filling further consists essentially of an alkali metal halide with at least one alkali ion and at least one halide

ion, said alkali ion being chosen from the group formed by potassium, rubidium, and cesium, and the halide ion being chosen from the group formed by chlorine, bromine, and iodine.

Claim 2. (currently amended) A high-pressure gas discharge lamp as claimed in claim 1, wherein ~~characterized in that~~ the lamp-(1) has a discharge arc-(12) with a length of at most 10mm.

Claim 3. (currently amended) A high-pressure gas discharge lamp comprising:

a quartz glass lamp vessel-(2) which is closed in a gastight manner, with a space-(4) which is enclosed by a wall-(3) and in which a pair of electrodes-(5) is arranged, an outer surface-(15) of said wall-(3) extending between the pair of electrodes-(5); and

a filling provided in the space-(4) and comprising a rare gas, a mercury buffer gas and halides of tin and indium,

wherein ~~characterized in that~~ the wall-(3) has a wall load of at least 30 W/cm² at its outer surface, and in that

the filling further consists essentially of an alkali metal halide with at least one alkali ion which is potassium and at least one halide ion, ~~said alkali ion being chosen from the group formed by potassium, rubidium, and cesium, and the~~ halide ion being chosen from the group formed by chlorine, bromine, and iodine., ~~and~~

~~characterized in that the alkali ion is potassium.~~

Claim 4. (currently amended) A high-pressure gas discharge lamp ~~(1)~~ comprising:

a quartz glass lamp vessel ~~(2)~~ which is closed in a gastight manner, with a space ~~(4)~~ which is enclosed by a wall ~~(3)~~ and in which a pair of electrodes ~~(5)~~ is arranged;

an outer surface ~~(15)~~ of said wall ~~(3)~~ extending between the pair of electrodes ~~(5)~~; and

a filling provided in the space ~~(4)~~ and comprising a rare gas, a mercury buffer gas and halides of tin and indium, and

wherein ~~characterized in that the wall (3)~~ has a wall load of at least 30 W/cm^2 at its outer surface, and in that the filling further consists essentially of an alkali metal

halide with at least one alkali ion and at least one halide ion, said alkali ion being chosen from the group formed by potassium, rubidium, and cesium, and the halide ion being ~~chosen from the group formed by chlorine, bromine, and iodine, and~~

~~characterized in that the halide ion is bromine.~~

Claim 5. (currently amended) A high-pressure gas discharge lamp as claimed in claim 1, wherein ~~characterized in that~~ the high-pressure gas discharge lamp ~~(1)~~ comprises a reflector ~~(9)~~ in which the lamp vessel ~~(2)~~ is fixed.

Claim 6. (currently amended) A high-pressure gas discharge lamp as claimed in claim 1, wherein ~~characterized in that~~ the high-pressure gas discharge lamp ~~(1)~~ is a DC lamp.

Claim 7. (previously presented) A high-pressure gas discharge lamp comprising:

a quartz glass lamp vessel closed in a gastight manner having a space enclosed by a wall, a pair of electrodes being arranged in the space;

an outer surface of the wall extending between the pair of electrodes; and

a filling provided in the space, the filling comprising a rare gas, a mercury buffer gas and halides of tin and indium,

wherein the wall has a wall load of at least 30 W/cm^2 at its outer surface, and the filling further consists essentially of an alkali metal halide with at least one alkali ion and at least one halide ion, said alkali ion being rubidium, and the halide ion being chosen from the group formed by chlorine, bromine, and iodine.

Claim 8. (canceled)

Claim 9. (canceled)

Claim 10. (new) A high-pressure gas discharge lamp as claimed in claim 3, wherein the lamp has a discharge arc with a length of at most 10mm.

Claim 11. (new) A high-pressure gas discharge lamp as claimed in claim 3, wherein the high-pressure gas discharge lamp comprises a reflector in which the lamp vessel is fixed.

Claim 12. (new) A high-pressure gas discharge lamp as claimed in claim 3, wherein the high-pressure gas discharge lamp is a DC lamp.

Claim 13. (new) A high-pressure gas discharge lamp as claimed in claim 7, wherein the lamp has a discharge arc with a length of at most 10mm.

Claim 14. (new) A high-pressure gas discharge lamp as claimed in claim 7, wherein the high-pressure gas discharge lamp comprises a reflector in which the lamp vessel is fixed.

Claim 15. (new) A high-pressure gas discharge lamp as claimed in claim 7, wherein the high-pressure gas discharge lamp is a DC lamp.

Claim 16. (new) A high-pressure gas discharge lamp comprising:

a lamp vessel closed in a gastight manner, with a space at least partially enclosed by a wall;

a pair of electrodes, the electrodes being arranged in the space and an outer surface of the wall extending between the pair of electrodes; and

a filling in the space, the filling comprising a rare gas, a mercury buffer gas and halides of tin and indium,

wherein, during operation of the lamp, the temperature of a major portion of the wall is greater than 800°C, and the filling further consists essentially of an alkali metal halide with at least one alkali ion and at least one halide ion, the alkali ion being chosen from the group formed by potassium, rubidium, and cesium, and the halide ion being chosen from the group formed by chlorine, bromine, and iodine.